Video Cassette Recorder

VR122/02

Instructions for use

Congratulations on purchasing your new VCR. Spare a few moments to read this instruction manual to get better results, and to avoid any costly mistakes.

IMPORTANT COPYRIGHT INFORMATION

Unauthorised recording or use of broadcast television programming, video tape, film or other copyrighted material may violate applicable copyright laws. We do not take responsibility for the unauthorised duplication, use, or other acts which infringe upon the rights of copyright owners.

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Safety Precaution

WARNING: DANGEROUS VOLTAGE INSIDE
WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

- ❑ The STANDBY button does not completely shut off the mains power from the unit, but switches operating current on or off only.
- ❑ The rating plate is on the rear of the unit.

Positioning

- ❑ Do not place the VCR directly on top of, or underneath, your TV set. Ensure that there is at least 20 cm between the VCR and the TV set, and that air can circulate freely through the ventilation openings of the VCR.
- ❑ Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. Do not use the VCR at least for 2 hours until its inside is dry.

Features

- ❍ Automatic Operations
- ❍ Blue Background
- ❍ On Screen Display
- ❍ Repeat Play
- ❍ One Touch Recording
- ❍ Timer Recording
- ❍ Auto Head Cleaner
- ❍ NTSC Playback

Let's make things better.

PHILIPS

Precaution

IMPORTANT

Use only cassettes marked VHS with this VCR.

POWER SUPPLY

The main power supply is engaged when the main plug is plugged in a 220V-240V, 50Hz, AC outlet. To operate the unit, press STANDBY button to turn on the unit. (“ON” indicator on the VCR comes on.)

WARNING

To avoid fire or electric shock, do not expose this unit to rain or moisture.

WARNING: LIVE PARTS INSIDE. DO NOT REMOVE ANY SCREWS.

DEW WARNING

Moisture condensation may occur inside the unit when it is moved from a cold place to a warm place, or after heating a cold room or under conditions of high humidity. Do not use the VCR at least for 2 hours until its inside is dry.

DECLARATION OF CONFORMITY

This product complies with the requirement of the directives

EMC-Directive:	89 / 336 / EEC
Low Voltage Directive:	73 / 23 / EEC
CE Marking:	93 / 68 / EEC

declare that the Video Cassette Recorder
VR122/02
are in compliance with following norms:

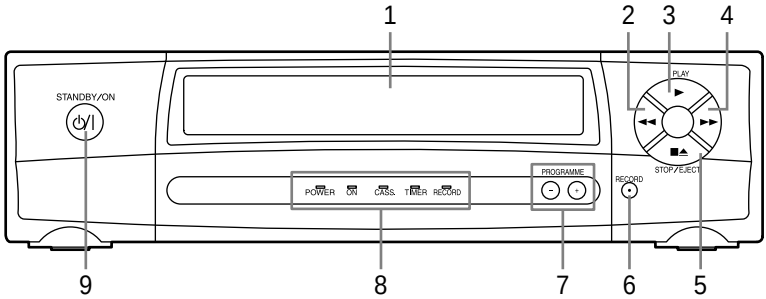
EN 55013: 2000
EN 55020: 2000
EN 61000-3-2: 1995/A1: 1998/A2: 1998/A14: 2000
EN 61000-3-3: 1995
EN 60065

CAUTION

1) Do not attempt to open the cabinet. There are no parts you can service inside. Refer all servicing to qualified service personnel.
2) Slot and openings in the cabinet and at the side or bottom are provided for ventilation. To ensure reliable operation and to protect the unit from overheating these opening must not be blocked or covered.
   Avoid enclosed spaces such as book cases unless proper ventilation is provided.
3) Keep the unit away from radiator heat sources.
4) Avoid using near strong magnetic fields.
5) Do not push objects of any kind into the VCR through the cabinet slot as they could touch current carrying parts or short circuit parts resulting in a fire or electric shock.
6) Never spill liquid of any kind on this unit. If liquid is spilled into the unit, consult qualified service engineer.
7) Use this unit in a horizontal (flat) position only.
8) Before trying to operate the unit, make sure that the timer recording mode is “OFF”.
9) This equipment is in Stand-by mode when it turns off whilst the mains cord is connected.

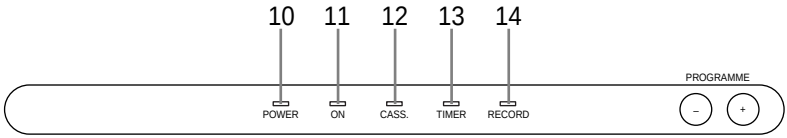
Description of Controls

Front Panel



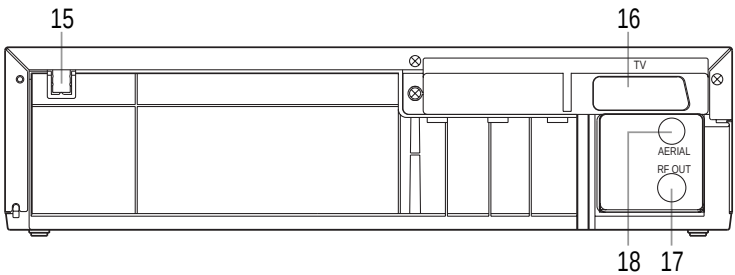
1. Cassette compartment
2. ◄◄ (REW) button
3. PLAY button
4. ►► (FF) button
5. STOP/EJECT button
6. RECORD button
7. PROGRAMME (–/+) buttons
8. Indicator (See below.)
9. STANDBY/ON button

Indicator



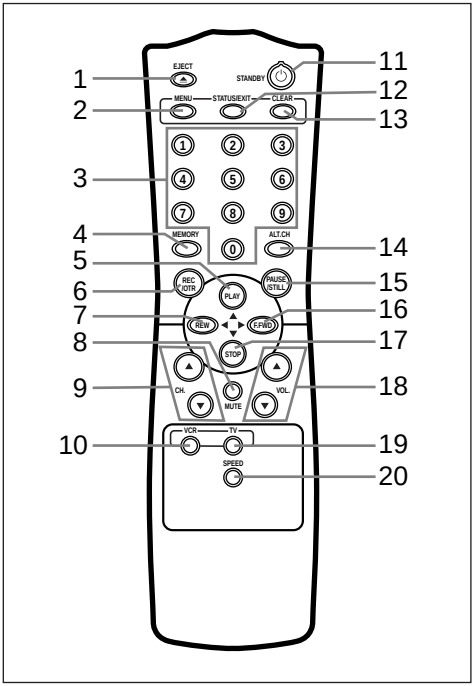
10. POWER indicator
11. ON indicator
12. CASS. indicator
13. TIMER indicator
14. RECORD indicator

Rear Panel



15. Mains cord
16. TV scart jack
17. RF OUT terminal
18. AERIAL terminal

Remote Control



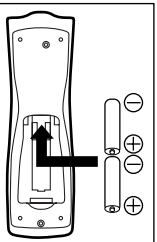
1. EJECT button
2. MENU button
3. NUMBER buttons
4. MEMORY button
5. PLAY button
6. REC/OTR button
7. REW button
8. MUTE button
9. CH(annel) buttons
10. VCR button
11. STANDBY button
12. STATUS/EXIT button
13. CLEAR button
14. ALT.CH. button
15. PAUSE/STILL button
16. F.FWD button
17. STOP button
18. VOL(ume) buttons
19. TV button
20. SPEED button

NOTE

You can use this remote control to operate some of PHILIPS TVs. Press [VCR] before pressing VCR feature buttons; press [TV] before pressing TV feature buttons if you have a PHILIPS TV.

To insert the batteries:

Install two R6(AA) batteries matching the polarity indicated inside the battery compartment.



CAUTION

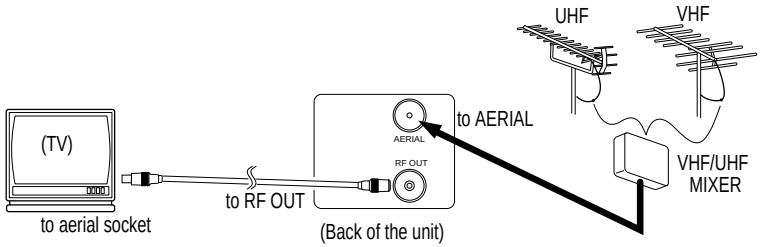
On Battery Replacement

Do not mix old and new batteries. (Also never mix alkaline batteries with manganese batteries.)

Getting Connected

VCR to TV Connection

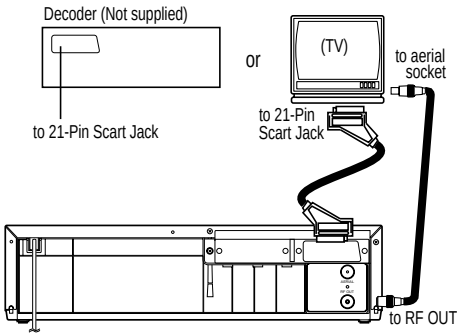
1. Disconnect the mains cord of the TV from the AC outlet.
2. Disconnect the VHF/UHF TV aerial coaxial cable from the TV.
3. Connect the VHF/UHF TV aerial coaxial cable to the VCR.
4. Connect the VCR to the TV using the coaxial cable.
5. Plug the mains cords of the VCR and TV into the AC outlets.



Other Connections

Euro A/V (Scart) Jack

Your VCR is fitted with one audio/video jack which you may connect to other external devices with audio/video jack. We recommend this connection to ensure a better audio and picture quality during use.



Euro audio/video cable is obtainable at your dealer.

TV Scart Jack Connection to TV

If your TV has audio/video jack, you may connect your VCR's TV scart jack to the audio/video jack on back of your TV. Please see your TV's owner's manual.

TV Scart Jack Connection for Other External Devices

The TV scart jack is designated for other external devices e. g. Decoder, another VCR, Video Camera and so on.

External Input Mode

To receive the signal from an external input (decoder, video camera, another VCR etc.), connect the device to the TV scart jack, and press [CH. (▲/▼)] or enter "00" with number buttons. "A/V IN" appears on the TV screen.

Preset for Use

You can programme the tuner to scan only the channels you receive in your area.

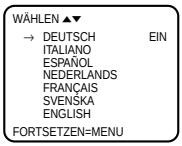
- You make each entry within 60 seconds of the previous entry.
- Follow the steps below only when you plug the mains cord into the wall outlet for the first time.
- Video channel setting will be necessary, if your VCR is connected to the TV via the coaxial cable, and TV channel 36 is employed for broadcasting, or interference lines appear on the picture.

Automatic Channel Preset

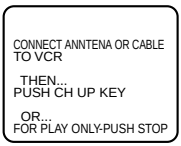
Make sure ...

- You must use the remote control for this procedure.

1. Turn on the TV and select the TV channel to the video channel.
2. Press [VCR].
3. Press [STANDBY].
4. Press [PLAY/▲] or [STOP/▼] to select the language, then press [MENU].



5. Press [CH (▲)] once. The VCR distinguishes between standard TV channels and cable channels. After scanning, “CHANNELS SET” will appear on the TV screen. Then, the tuner stops on the lowest memorised channel.



- To skip step 5, press [STOP]. “CHANNELS NOT SET” will appear on the TV screen.
- If you try to programme channels when there is no antenna or cable connected to the VCR, programming will appear to take place, but eventually a “NO TV SIGNALS” message will appear on the TV screen. Use “MANUAL PROGRAMMING”.

To Select a Desired Channel

You can select the desired channel by using the [CH. (▲/▼)], or directly pressing number buttons on the remote control.

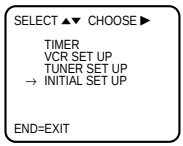
- Enter channel numbers as a two-digit number for the quickest results. For example, to select channel 6, press [0] and [6]. If you only press [6], channel 6 will be selected after a brief delay.
- You may only select channels 1–99.

Selecting the Language

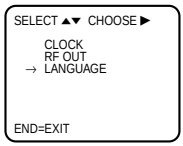
Make sure ...

- You must use the remote control for this procedure.

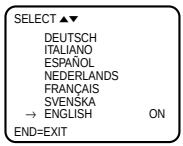
1. Turn on the TV and select the TV channel to the video channel.
2. Press [VCR].
3. Press [STANDBY].
4. Press [MENU].
5. Press [PLAY/▲] or [STOP/▼] to select “INITIAL SET UP”, then press [F.FWD/▶].



6. Press [PLAY/▲] or [STOP/▼] to select “LANGUAGE”, then press [F.FWD/▶].



7. Press [PLAY/▲] or [STOP/▼] to select your desired language, then press [STATUS/EXIT] to exit.

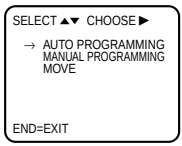


Channel Preset Again

Make sure ...

- You must use the remote control for this procedure.

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “TUNER SET UP”, then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select “AUTO PROGRAMMING”, then press [F.FWD/▶].



5. After scanning, “CHANNELS SET” will appear on the TV screen.

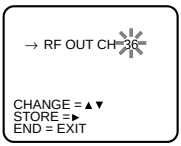
Video Channel Setting

Make sure ...

• You must use the remote control for this procedure.

Video channel setting will be necessary, if your VCR is connected to the TV via the coaxial cable.

1. Insert a pre-recorded tape into the VCR.
   The VCR will turn on and start playback automatically.
   If playback does not start, press [PLAY].
2. Select and adjust your TV to channel 36. If channel 36 is employed for broadcasting, or interference lines appear on the picture, the RF converter must be set to a different channel between CH22 and CH69.
3. Press [MENU].
4. Press [PLAY/▲] or [STOP/▼] to select “INITIAL SET UP”, then press [F.FWD/▶].
5. Press [PLAY/▲] or [STOP/▼] to select “RF OUT”, then press [F.FWD/▶].
6. Press [PLAY/▲] or [STOP/▼] to select the channel which is not broadcasted between channel 22 and 69 in your area, then press [F.FWD/▶].



7. Press [STATUS/EXIT].
   Set TV channel to the RF OUT CHANNEL which select on the VCR. A picture of the VCR will appear on the TV.
8. Press [STOP] to stop the tape.

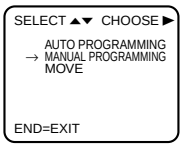
Manual Channel Preset

Make sure ...

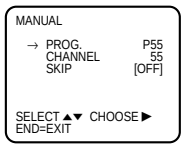
• You must use the remote control for this procedure.

The channels you no longer receive or seldom watch can be skipped from access by [CH.(▲/▼)].

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “TUNER SET UP”, then press [F.FWD/▶].



4. Press [PLAY/▲] or [STOP/▼] to select “MANUAL PROGRAMMING”, then press [F.FWD/▶].
5. Press [PLAY/▲] or [STOP/▼] to select “PROG.”, then press [F.FWD/▶].
   Press number buttons to select position number you want to programme, then press [F.FWD/▶].



   - You can select position number 01-99.
   - Confirm that the [OFF] appears on the right side of the SKIP. If not, press [PLAY/▲] or [STOP/▼] button repeatedly to point to “SKIP”. Then, press [F.FWD/▶] button to select [OFF].
6. Press [PLAY/▲] or [STOP/▼] to select “CHANNEL”, then press [F.FWD/▶].
   Press [PLAY/▲] or [STOP/▼]. The VCR tuner will begin to automatically search up or down. When a channel is found, it will stop searching and the picture will appear on the TV.
   - You can select desired channel number by using the number buttons. You must refer to the channel plan and press three digits to select the channel number. (To select channel 24, first press “0” button then press “2” and “4”).

Channel Plan	
CH Indication	**TV Channel**
02 ~ 12	E2 ~ E12
13 ~ 20	A ~ H (only ITALY)
21 ~ 69	E21 ~ E69
74 ~ 78	X, Y, Z, Z+1, Z+2
80 ~ 99	S1 ~ S20
100	S52
121 ~ 141	S21 ~ S41

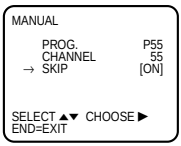
This VCR will receive Hyper and Oscar bands.

7. Press [STATUS/EXIT] to exit.

To Skip the Channel

The channels you no longer receive or seldom use can be skipped from access by [CH. (▲/▼)].

5-a). Press [PLAY/▲] or [STOP/▼] to select "SKIP", then press [F.FWD/▶] to select [ON].



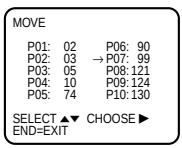
- You press [F.FWD/▶] again, [ON] will change to [OFF]. The channel is memorised again.

5-b). Press [STATUS/EXIT] to exit.

Channel Change

You can replace two channels.

3-a). Press [PLAY/▲] or [STOP/▼] to select "MOVE", then press [F.FWD/▶].



3-b). Press [PLAY/▲] or [STOP/▼] to select the channel number you want to change, then press [F.FWD/▶].

3-c). Press [PLAY/▲] or [STOP/▼] to select another channel number, then press [F.FWD/▶].

3-d). Press [STATUS/EXIT] to exit.

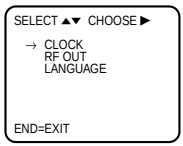
Setting the Clock

Make sure ...

- You must use the remote control for this procedure.

Set the clock accurately for proper automatic timer recording.

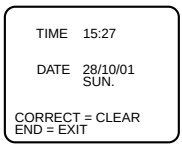
1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select "INITIAL SET UP", then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select "CLOCK", then press [F.FWD/▶].



When you enter the clock;

- Enter a 0 before a single digit number.
- Entries that do not match the VCR's internal calendar will cause a question mark (?) to appear on the TV screen.
- Press [CLEAR] to go back one step from current step.

5. Press number buttons to enter your desired HOUR, MINUTE.
6. Press number buttons to enter your desired DAY , MONTH and YEAR.



7. Press [STATUS/EXIT].
   The internal clock starts and the normal TV screen resumes.

NOTE:

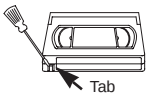
When unplugging the mains cord or if there is a power failure for more than one minute, you may have to reset the clock.

Basic Operations

Video Cassette Tape

This VCR will operate with any cassette that has the VHS mark. For best results, we recommend the use of high-quality tapes. Do not use poor quality or damaged tapes.

- You can prevent accidental erasing of a recording by breaking off the tab on the back edge of the cassette.



- If you decide to record on the tape again, cover the hole with plastic tape.

Two Different Tape Speeds

Before recording, select the tape speed from : SP mode (Standard Play) or LP mode (Long Play).
The table below shows the maximum recording/playback time using E-60, E-120, E-180 or E-240 tapes in each mode.

Type of tape		Recording/Playback Time	
	Tape Speed	SP Mode	LP Mode
	E-60	1 hour	2 hours
	E-120	2 hours	4 hours
	E-180	3 hours	6 hours
	E-240	4 hours	8 hours

TV Colour System

Each country has a television colour system. Tapes recorded with the PAL, or NTSC system can be played back with this unit. Usually, when you playback a tape which is recorded with a different colour system, the picture on the TV screen will be black and white.

- Tapes recorded with the NTSC system can be played back with this unit via a PAL system TV set. This is only available for SP mode. In this case, the picture may roll up or down, shrink vertically and black bars may appear both at the top and bottom of the screen. Adjust the vertical hold control on your TV, if equipped.

Playback

1. Turn on the TV and select the TV channel to the video channel.
2. Insert a prerecorded tape.
   The VCR will turn on automatically. If the erase-protection tab has been removed, the VCR will start playback automatically.
3. Press [PLAY] to begin playback.
4. Press [STOP] to stop playback.

- Tracking adjustment will be set automatically (Digital Tracking function) when you start playback. To adjust the tracking manually, press [PROGRAMME (-/+)] **on the VCR**.

Picture Search

1. Press [F.FWD] or [REW] in the SP or LP mode to view a video tape at a high speed in either a forward or reverse direction. In this mode, the sound will be muted.
2. Press it again, the VCR will now search in super high speed. (in the LP mode only).

Still Picture

- If you press [PAUSE/STILL] on the remote control to freeze the picture, usually there will be noise lines on the TV screen. This is normal, however, each time you press [PAUSE/STILL], the lines will change position.
- When the picture begins to vibrate vertically, stabilize the picture by pressing [PROGRAMME (-/+)] on the VCR in the Still mode.
- Usually there will be video “noise” lines (black and white streaks or dots) on the screen. This is normal.
  The still picture will, in addition to the “noise” lines, be black and white.
  This is not a fault of the machine but merely a by-product of the technology involved in producing a VCR with LP mode.

Recording

Make sure ...

- You must use the remote control for this procedure.

1. Turn on the TV and select the TV channel to the video channel.
2. Press [VCR].
3. Insert a cassette tape with its erase-protection tab in place.
4. Press number buttons or [CH.(▲/▼)] to select the channel to be recorded.

• If you connected the VCR to a cable box or satellite box, select the VCR to the video channel.
Then, select the channel you want to record at the cable box or satellite box. Leave the cable box or satellite box on for recording.

5. Press [SPEED] to select the tape speed (SP/LP).
6. Press [REC/OTR] to begin recording.

- If [REC/OTR] is pressed when there is not a tape in the VCR, “NO CASSETTE” will flash on the TV screen.
- If [REC/OTR] is pressed while a tape without an erase-protection tab is in the VCR, the VCR will eject the tape and “PROTECTED CASSETTE CANNOT RECORD” will flash on the TV screen.

7. To temporarily stop recording or resume it, press [PAUSE/STILL].
8. Press [STOP] when recording is completed.

Whilst Viewing Another

1. Set the TV to the channel you want to watch using the TV remote control. If you have a PHILIPS TV, you may select the TV channel by pressing [TV], then [CH. (▲/▼)] on the VCR remote control.

- When you record with a cable converter box or satellite box, you cannot record one programme whilst viewing another.

Counter Memory

This feature can be used to memorise a beginning point that you want to review. And you can search it easily by rewinding or fast forwarding. If a tape includes both programmes recorded with PAL system and ones recorded with NTSC system, this function may not be operated correctly.

1. Rewind or fast forward the tape to the beginning point at which you want to review.
2. Press [CLEAR] on the remote control once or twice to reset the counter to 0:00:00.
3. Press [MEMORY] on the remote control so that “M” appears on the TV screen.

- The [MEMORY] does not function if Repeat Play is set to “ON”.

4. Press [REC/OTR] or [PLAY] to begin recording or playback.
5. Press [STOP] when recording or playback is completed.
6. Press [REW] (or [F.FWD]) to activate the Counter Memory. The VCR will automatically stop when the counter returns to 0:00:00 (approx.).

TO EXIT THE COUNTER MEMORY

Press [MEMORY] until the “M” disappears from the TV screen.

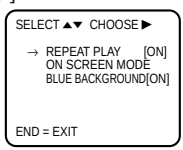
Repeat Play

Make sure ...

- You must use the remote control for this procedure.

The VCR has the auto repeat function that allows you to repeat a tape indefinitely without touching [PLAY].

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “VCR SET UP”, then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select “REPEAT PLAY”.
5. Press [F.FWD/▶] so that “ON” appears beside “REPEAT PLAY”.
6. Press [STATUS/EXIT] to exit.
To begin playback, press [PLAY].



TO EXIT THE AUTO REPEAT MODE

Repeat steps [1] to [4]. At step [5], press [F.FWD/▶] so that “OFF” will appears beside “REPEAT PLAY” on the TV screen. Press [STATUS/EXIT] to exit.

OTR (One Touch Recording)

Make sure ...

- You must use the remote control for this procedure.

This function enables you to set a recording length simply by pressing [REC/OTR].

1. Follow steps [1] to [5] in “Recording” section.
2. Press [REC/OTR] repeatedly until the desired recording length appears.

0:00 → 0:30 → 1:00.... → 7:30 → 8:00

REC (Normal recording)

• Recording stops when 0:00 is reached.

To check time remaining during an OTR
Press [STATUS/EXIT].

To change the recording length during an OTR
Press [REC/OTR] until the desired length appears.

To stop an OTR before recording is finished
Press [STOP].

To cancel the OTR but continue recording
Press [REC/OTR] repeatedly until “REC” appears in the upper left corner of the TV screen.

Automatic Operations

Automatic Rewind, Eject, Off

When the end of a tape is reached during recording, playback, or fast-forward, the tape will automatically rewind to the beginning. After that, the VCR will eject the tape and turn itself to off.

- The tape will not auto-rewind during timer recording or One Touch Recording.
- When the Counter Memory is activated, the tape will rewind to the M0:00:00 and the VCR will be in the Stop mode.

Tape Eject

A tape can be ejected with the VCR power on or off (but the VCR must be plugged in).

- If a timer recording is set, a tape can only be ejected with the power on.

Real Time Tape Counter

- This shows the elapsed recording or playback time in hours, minutes, and seconds. (not in the case of blank portion)
- The “ – ” indication will appear when the tape is rewound further than the tape counter position “0:00:00”.

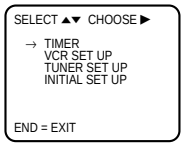
Timer Recording

Make sure ...

- You must use the remote control for this procedure.

You may set the VCR to start and end a recording while you are away. You can set eight programmes to record on specific days, daily or weekly within a 1 year period.

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “TIMER”, then press [F.FWD/▶].



- If you have not yet set the clock, “SET CLOCK” appears. If so, follow the steps [3] to [7] in “Setting the Clock” section. Then, set the timer recording.

4. Press [PLAY/▲] or [STOP/▼] to select “ONCE”, “DAILY”, or “WEEKLY” recording, then press [F.FWD/▶].

- ***ONCE*****:** The VCR will record a TV programme on any day you choose, up to 12 months away.
- ***DAILY*****:** The VCR will record every day from Monday to Friday – starting at the same time and recording for the same length of time.
- ***WEEKLY*****:** The VCR will record on the same day, at the same time, and for the same length of time every week.

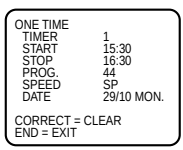
5. Programme number which is not set up flashes. Press number button to enter your desired programme number (1~8).

- If you enter a programme number that has already been used to store a timer recording, the programme will appear on the TV screen. If this happens, press [STATUS/EXIT] twice. Then start again at step [1].

When you enter the timer setting;

- Enter a 0 before a single digit number.
- Entries that do not match the VCR’s internal calendar will cause a question mark (?) to appear on the TV screen.
- Press [CLEAR] to go back one step from current step.

6. Press number buttons to enter recording start time.
7. Press number buttons to enter recording stop time.



8. Press number buttons to enter PROG..

- If you connected the VCR to a cable box or satellite box, select the VCR to the video channel.
  Then, select the channel you want to record at the cable box or satellite box. Leave the cable box or satellite box on for recording.

9. Press number button to select recording speed SP(1) or LP(2).
10. Press number buttons to enter recording date.
11. Press [STATUS/EXIT].

- If "NOT COMPLETED" appears, repeat from step [1] again.

12. Press [STANDBY] to set the timer. The TIMER indicator on the VCR comes on.

Hint for Timer Recording

- If there is a power failure or the VCR is unplugged for more than one minute, the clock setting and all timer settings will be lost.
- If the tape runs out before the end time, the VCR will switch to the Stop mode immediately, eject the tape and the VCR power will be turned off. The TIMER indicator will flash.
- If a tape is not in the VCR or does not have the erase-protection tab, the TIMER indicator flashes and timer recording cannot be performed. Please insert a recordable tape.
- The VCR must be turned off to set the timer. If you forget to turn off the VCR, "TURN OFF VCR FOR TIMER RECORDING" flashes on your TV screen two minutes before a timer recording starts. Press [CLEAR] to remove the message.
- "CLASH" may flash on the screen when you finish setting a timer recording, then the "TIMER" menu will appear. This means that the timer recording you just programmed and another timer recording overlap, and thus the current timer recording will not be carried out.

To Correct an Automatic Timer Programme

1. Press [STANDBY] so that the "ON" indicator appears on the display.
2. Repeat steps [1] to [5] in "Timer Recording".
3. Go to the digit you want to change by using [CLEAR].
4. Enter correct numbers using the number buttons.
5. Press [STATUS/EXIT] to exit.
6. Press [STANDBY] to return to timer stand-by mode.

To Stop a Started Automatic Timer Programme

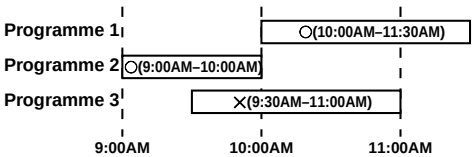
Press [STOP/▼] **on the VCR.**

To Cancel or Check The Start/End Time

1. Press [STANDBY] so that the "ON" indicator appears on the display.
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select "TIMER", then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select "TIMER REVIEW", then press [F.FWD/▶]. The timer recording information for the programme in the lowest numbered slot will appear on-screen. If no timer recordings are set, nothing will happen when you press [F.FWD/▶]. You may cancel the entire programme by pressing [CLEAR].
5. Press [F.FWD/▶] repeatedly to review all programmed timer recordings. If you do not press [F.FWD/▶] within 10 seconds, the VCR will automatically display information about the next programmed timer recording. This will continue until all timer recordings have been displayed. Then the menu will disappear.
6. Press [STATUS/EXIT] to exit.

Avoid overlap of programmes ...

The timer programme does not work if another timer programme is in progress.



Copying a Video Tape

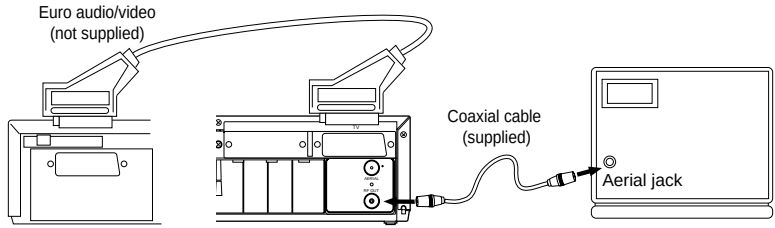
Make sure ...

- You must use the remote control for this procedure.

You can make copies of video tapes made by friends or relatives for your enjoyment.

WARNING: Unauthorized recordings of copyrighted video tapes may be an infringement of copyright laws.

Connect the recording VCR (this unit), playing VCR (another VCR) and your TV using the following diagram.



1. Insert a pre-recorded video cassette into the playing VCR.
2. Insert a blank video cassette, or one you want to record over, into the recording VCR cassette compartment.
3. Press [SPEED] to select the desired recording speed (SP/LP).
4. Select the input mode on the recording VCR. See “External Input Mode”.
5. Press [REC/OTR] on the recording VCR.
6. Begin playback of the tape in the playing VCR.

NOTES:

- For best results during dubbing, use the VCR’s front panel controls whenever possible. The remote control might affect the playback VCR’s operation.
- You can use the A/V outputs of a video disc player, satellite receiver, or other audio/video component in place of the playing VCR.
- If video or colour fades in and out, you may be copying a copy guarded video tape.

To Monitor The Recording

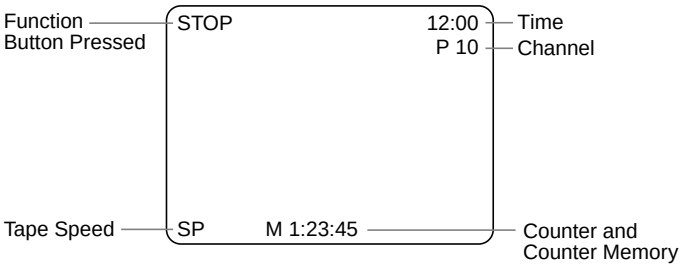
Turn on the TV and select the TV channel to the video channel.

A Status Display

Make sure ...

• You must use the remote control for this procedure.

A status display, which includes the current time, channel, and other information (see illustration) will appear when you press [STATUS/EXIT] or certain function buttons. The contents of the status display may vary. There are three status display modes:



STATUS ON:

• When you press [STOP/▼] or [PLAY/▲], the status display appears for five seconds.

COUNTER ONLY ON:

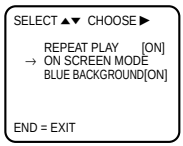
• When you press [STOP/▼] or [PLAY/▲], the status display appears for five seconds. After five seconds, only the counter will remain on-screen. Press [STATUS/EXIT] to remove it.

STATUS OFF:

• The status display will not appear when you press function buttons.

• You must press [STATUS/EXIT] to see the status display.

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “VCR SET UP”, then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select “ON SCREEN MODE”, then press [F.FWD/▶].
5. Press [F.FWD/▶] to select “STATUS ON” or “OFF”.
6. If you set “STATUS” to “OFF”, go to step [7]. If you set “STATUS” to “ON”, press [PLAY/▲] or [STOP/▼] to select “COUNTER ONLY”, then press [F.FWD/▶] so that “OFF” (or “ON”) appears beside it.
7. Press [STATUS/EXIT] to exit.



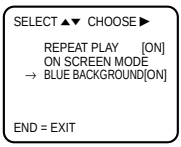
Blue Background

Make sure ...

• You must use the remote control for this procedure.

If you want the TV screen to be solid blue when a weak signal is received, set BLUE BACKGROUND to “ON”. The screen will be blue and the sound will be muted. Or, if you want to receive the weak signal, set BLUE BACKGROUND to “OFF”.

1. Press [VCR].
2. Press [MENU].
3. Press [PLAY/▲] or [STOP/▼] to select “VCR SET UP”, then press [F.FWD/▶].
4. Press [PLAY/▲] or [STOP/▼] to select “BLUE BACKGROUND”. Then, press [F.FWD/▶] to select “OFF” (or “ON”).
5. Press [STATUS/EXIT] to exit.



Troubleshooting Guide

If you have followed the instructions contained in this manual and have difficulty in operating your VCR, locate the SYMPTOM in the left column below. Check the corresponding CORRECTIVE ACTION columns to remedy the problem.

SYMPTOM	CORRECTIVE ACTION
No power.	• Make sure the mains cord is connected to an AC outlet. • Make sure the power is turned on.
Timer recording is not possible.	• Make sure the timer recording is set correctly. • Make sure the power is off. • Make sure the VCR clock is set correctly.
Recording mode cannot be engaged.	• Make sure the tape has an erase-protection tab. If needed, cover the hole with plastic tape.
No picture or poor picture on playback.	• Set your TV to the video channel. • Fine tune your TV.
No picture but the audio is OK in playback.	• Head cleaning is necessary, consult the nearest Authorized Service Center.
Playback picture is partially noisy.	• Adjust tracking control for a better picture by using [PROGRAMME (-/+)] on the VCR.
On-the-air TV programmes cannot be seen.	• Re-check the AERIAL and RF OUT connections. • Set your TV to the TV channel correctly.
No operation by infrared Remote Control.	• Check the batteries in the remote control. • Press [VCR] on the remote control, then try again.
Video or colour fades in and out when making a copy of a video tape.	• You cannot copy a copyrighted video tape. You are experiencing copy guard protection.

Specifications

General Specifications

Television system:	PAL B/G
	TV standard
Video heads :	Rotary two-head
Tape width :	12.65mm (1/2inch)
Tape speed	
SP :	23.39mm/sec.
LP :	11.70mm/sec.
Tuner channel :	E2~E12
	E21~E69
	A~H (only ITALY)
	CATV

This VCR will receive Hyper and Oscar bands.

RF converter :	Built-in UHF converter
Converter output :	UHF Channel 22 to 69 (adjustable)

RF preset output channel: Channel 36

Timer indication :	24-hour system
Operating temperature :	5°C~40°C
Terminals	
AERIAL :	Coaxial type, male
RF OUT :	Coaxial type, female
TV :	Scart jack × 1

Electrical Specifications

Video output level :	1Vp-p
Video output impedance :	75Ω
Audio output level :	-6dBv (1KHz)
Video input level :	0.5~2.0Vp-p
Audio input level :	-10dBv
Video S/N ratio	
SP:	45dB
Audio S/N ratio	
SP:	41dB

Other Specifications

Power requirement :	AC220V-240V, 50Hz
Power consumption :	14 Watts
Dimensions :	W 360mm
	H 92mm
	D 226mm
Weight :	2.5 Kg. (approx.)
Accessories :	Remote Control Unit
	Coaxial Cable
	Batteries (R6 x 2)

- **Designs and specifications are subject to change without notice and without our legal obligation.**